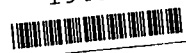


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TAT-02-F-05521

SCOPE OF WORK
FOR THE
IDEAL COOPERAGE SITE
JERSEY CITY, NEW JERSEY

October 20, 1989

1.0 INTRODUCTION

The following scope of work describes the proposed services required to stage drums and excavate test pits as part of the preliminary assessment at the Ideal Cooperage site. The work described herein will be performed under a subcontract to the WESTON, Technical Assistance Team (hereafter WESTON), which is contracted to the U.S. Environmental Protection Agency (U.S. EPA), Emergency and Remedial Response Division. Therefore, the subcontract may be subject to applicable clauses from the Federal Acquisition Regulations depending on the value of the subcontract. The subcontract will be awarded on a firm fixed price per unit basis.

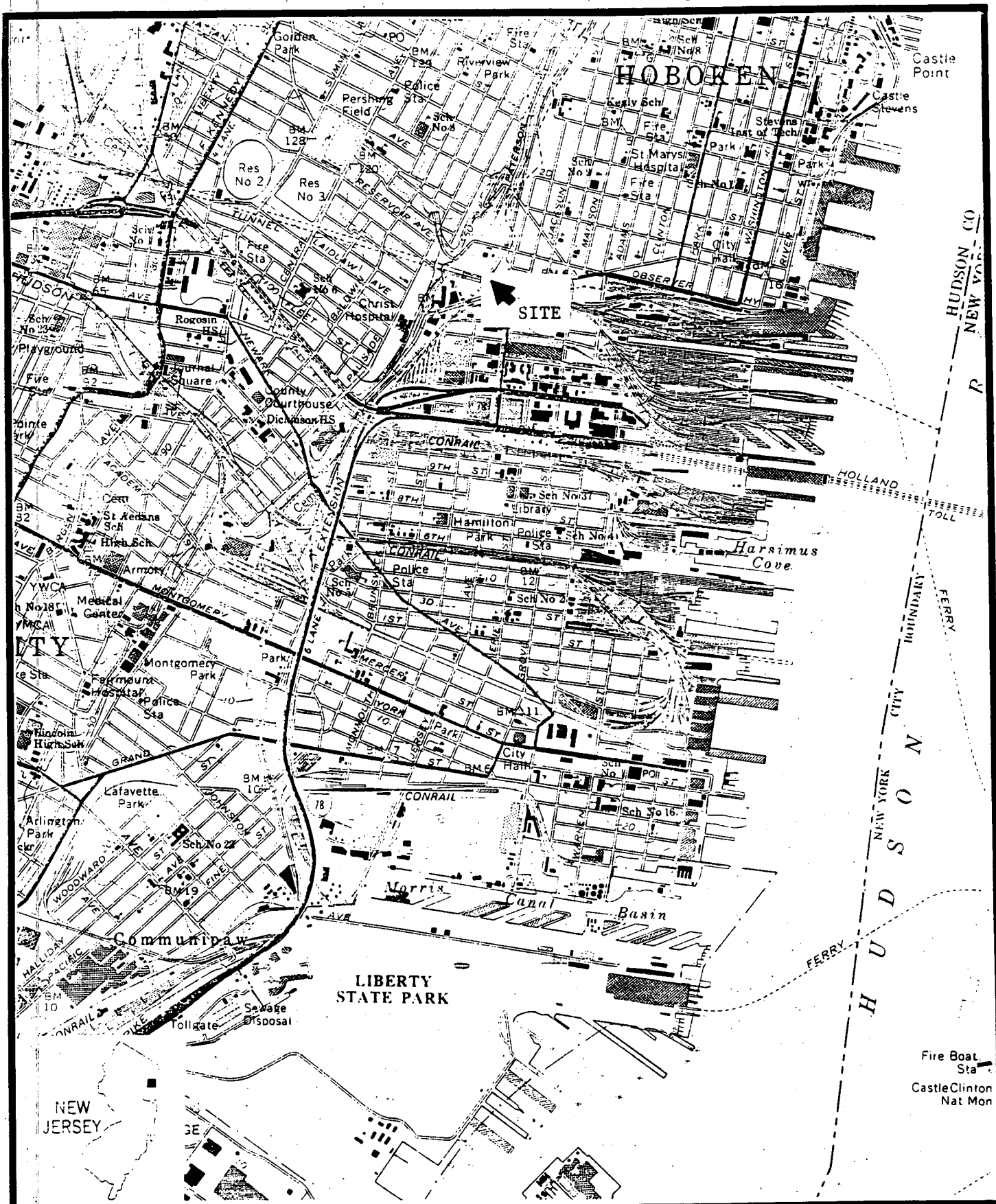
The information regarding surface site conditions presented herein is intended to assist the Subcontractor. However, WESTON does not guarantee its accuracy, nor that it is necessarily indicative of conditions to be encountered. Therefore, the Subcontractor will be responsible for determining all local conditions affecting its work. Neither the information contained in this document nor that derived from maps or plans provided herein or from WESTON or from any other source shall act to relieve the Subcontractor from any responsibility or liability hereunder or from fulfilling any and all of the terms and requirements of the subcontract.

2.0 SITE BACKGROUND

The Ideal Cooperage site is located on New York Avenue in Jersey City, Hudson County, New Jersey. Figure 1 provides a site location map. The approximately 2 acre site is situated in an industrial section of the city. The site is bounded on the north and west by New York Avenue, on the south by the Erie-Lackawanna Rail Line and on the east by a developed lot. The property is relatively flat and elevated, with the northern, eastern and southern perimeters sloping downward towards the property line. Figure 2 provides a site map. The ground consists of loose soil with low brush and some small trees.

During the 1970's, Ideal Cooperage, Inc. used the site as part of their drum reconditioning operations. Although the actual rinsing and reconditioning of the drums were performed on an adjacent lot, empty drums were stored on this site. In the fall of 1981, Ideal Cooperage ceased operations and abandoned both properties. The property on which the processing took place was eventually sold and redeveloped; however, this lot which was used for storage still remains abandoned.

Assessments performed by the New Jersey Department of Environmental Protection (NJDEP) and more recently, by the U.S. EPA, Technical Assistance Team (TAT) have determined that approximately 600 drums remain on site. Most of these drums are empty, but about 10% contain material. Since many of the drums containing liquid are upright and missing bungs, the liquid may



SPILL PREVENTION &
EMERGENCY RESPONSE DIVISION

In Association with ICF Technology Inc., C.C. Johnson & Associates, Inc., Resource Applications, Inc., Geo/Resource Consultants, Inc., and Environmental Toxicology International, Inc.

EPA PM

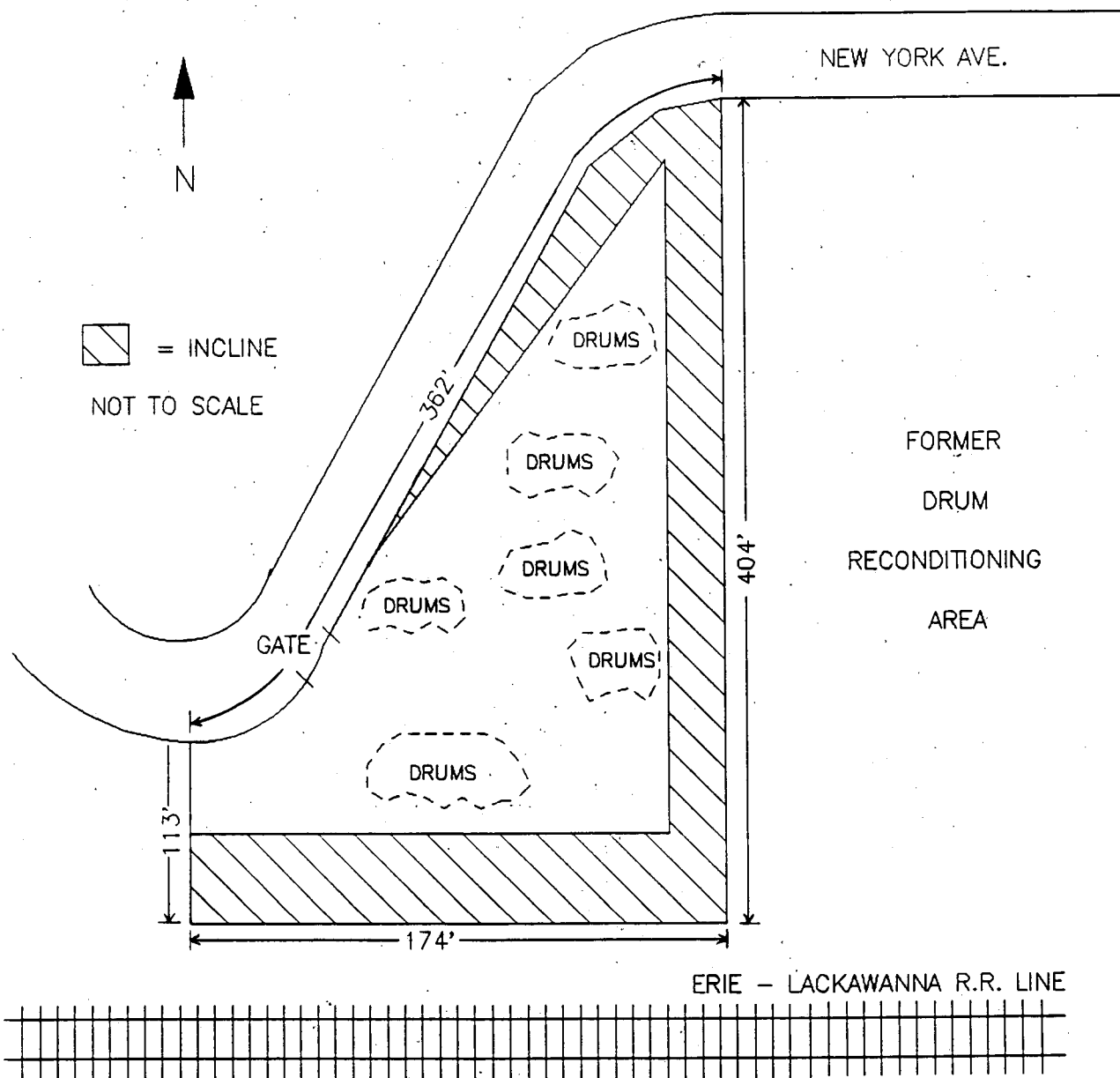
J. ROTOLA /
D. HARKAY

TAT PM

P. DI PASCA

FIGURE 1
LOCATION MAP

IDEAL COOPERAGE
JERSEY CITY, NJ



SPILL PREVENTION &
EMERGENCY RESPONSE

EPA PM J. ROTOLA /
D. HARKAY

FIGURE 2
SITE MAP

In Association with ICF Technology Inc., C.C. Johnson &
Malhotra, P.C., Resource Applications, Inc. and
R.E. Sarriera Associates

TAT PM P. DI PASCA

IDEAL COOPERAGE
JERSEY CITY, NJ

possibly be rainwater. A majority of the empty drums are severely deteriorated and appear to have been on the property for several years. A subsurface soil investigation conducted by a private consultant, several years ago, detected low levels of toluene, perchloroethylene, and petroleum hydrocarbons. In addition, buried drums may be present on the site.

The site has been used in recent years as an illegal dumping ground for household garbage, construction debris, and abandoned automobiles. The equivalent of seventeen rolloff containers of solid waste were once cleared from the site, but lack of security has made it impossible to keep the property free of trash. Neighborhood children have also used the site as a playground, and had even built a "fort" using empty drums.

3.0 OBJECTIVES

The objectives of this preliminary assessment are to

- Stage and segregate all surficial drums for sampling and classification.
- Excavate test pits to determine whether drums are buried on site, to identify soil types and to collect subsurface soil samples.

4.0 SCOPE OF WORK

The scope of work is to provide the following services:

- Site preparation as required, such as brush removal, scrap material removal, and minor grading.
- Stage and segregate all surficial drums. Overpack and/or transfer contents from deteriorated drums, as required. The staging area to be determined at the discretion of the WESTON Field Representative.
- Excavate six test pits to a maximum depth of 16 feet. Locations to be field determined at the discretion of the WESTON Field Representative.

The Subcontractor's activities will be monitored by Peter Di Pasca, designated by WESTON to act as the authorized WESTON representative (hereafter WESTON Field Representative) to administer this subcontract. Neither oral nor written statements by anyone other than WESTON, or the WESTON Field Representative, may modify or otherwise affect any provision of this subcontract. Replacement of the WESTON Field Representative will be in writing. WESTON will have technical personnel on site to monitor all site operations.

4.1 General Requirements

4.1.1 Access to Work Site

WESTON is responsible for obtaining access to the work areas prior to initiation of on-site activities. Neither WESTON nor the Subcontractor will go on-site, or initiate site activities without authorization from the U.S. EPA and other appropriate agencies.

4.1.2 Equipment and Personnel to be Furnished by Subcontractor

The Subcontractor shall provide a backhoe with blast shield and the necessary equipment and personnel to complete the task described herein and to meet the goals of this subcontract. During test pit excavation, the Subcontractor shall provide two technicians, in addition to an experienced backhoe operator. The Subcontractor shall maintain the equipment in good operating condition for the duration of the subcontract. On the basis that the work completed is considered unsatisfactory by WESTON, the Subcontractor shall be notified in writing that the equipment must be replaced. The Subcontractor shall then cease work and within three (3) days replace the unsatisfactory equipment with equipment that is satisfactory to WESTON. WESTON reserves the right to reject any and all bids for inability to provide satisfactory equipment.

4.1.3 Working Schedule

All site work for which there will be payment shall be done during the daylight hours. Unless specifically agreed to by WESTON, no site work shall be done on official Government holidays or Sundays. The Subcontractor and WESTON, at the beginning of the work, shall mutually agree on a work schedule to be followed. If certain phases of work must be continued into the hours of darkness, sufficient lighting shall be provided by the Subcontractor so that work may be carried out in a safe and efficient manner. If the schedule of work hours is to be changed, WESTON and the Subcontractor shall mutually agree to such change 24 hours in advance of such change.

4.1.4 Equipment Protection and Security

The Subcontractor is responsible for providing any and all security measures required to protect their equipment and materials at the site.

4.1.5 Decontamination

The Subcontractor is responsible for cleaning and decontaminating the backhoe and other related equipment. Steam cleaning of the backhoe bucket will be required upon arrival to and departure from the site. The water used for steam cleaning and rinsing shall be potable. No on-site source of water or electricity is available.

4.1.6 Mobilization/Demobilization

The Subcontractor is responsible for mobilizing to the site all material, personnel, equipment and tools required to perform the specific work and removing the same from the site at the completion of the work.

4.2 Period of Performance

Project initiation is anticipated to be Monday, November 13, 1989. The period of performance for the work described in this subcontract is estimated at four to five days for drum staging, and two to three days for test pit excavation.

5.0 HEALTH AND SAFETY PROTOCOL

The Subcontractor will be expected to comply with all WESTON site health and safety requirements. There will be a WESTON/EPA Site Health and Safety Plan implemented for this site. All activities at the site shall be conducted in accordance with current Occupational Health and Safety Regulations for Hazardous Waste Site Activities (References: OSHA 29 CFR 1910.120; 29 CFR 1926/1910 Construction Industry Standards). The Subcontractor will also be required to follow their own safety protocols.

5.1 Required Personnel Protective Equipment

The Subcontractor shall provide the following personnel protective clothing and respiratory protective equipment.

Expendables

Poly Tyvek Coverall (or equivalent)

Inner Gloves - Latex or Surgical

Outer Gloves - Nitriles

Duct Tape - For joints between clothing items

Air Purifying Respirator Filters (discard as necessary)

MSA GMC-H Cartridge (or equivalent combination cartridge)

MSA GMC Canister (or equivalent combination canister)

Non-Expendables

Full-Face Air Supplying Respirator, either an SCBA or an airline system with an escape bottle

Full-Face Air Purifying Respirator (half-face units unacceptable)

Hard Hat

Steel-Toe Neoprene Boots

5.2 Levels of Respiratory Protection

The levels of respiratory protection required are task related and listed below:

<u>Task</u>	<u>Level of Respiratory Protection</u>
Site Preparation	Level C
Staging and Segregating Drums	Level B/C (Downgrading to be determined by WESTON's Site Health and Safety Officer)
Test Pits	Level C (with escape paks)/B (upgrading to be determined by WESTON's Site Health and Safety Officer)

5.3 Subcontractor's Health and Safety Requirements

The Subcontractor will be required to certify that:

- All Subcontractor's personnel involved in work activities on site:
 - a) Understand and agree to the provisions of the Site Health and Safety Plan.
 - b) Understand that the work is to be performed on a hazardous materials site and that protective clothing and respiratory protective devices will be required.

- c) Have been examined by a licensed physician in accordance with 29 CFR 1910.120. The physician's certification must be submitted to Weston upon request.
 - d) Have been trained in accordance with applicable sections of 29 CFR 1910.120 and 29 CFR 1926/1910.
 - e) Have agreed to work under the direction of the WESTON Site Health and Safety Officer.
- All equipment given to the Subcontractor's personnel by the Subcontractor is NIOSH/OSHA approved, as appropriate, and in working condition as specified by the manufacturer.
 - All respiratory and personnel protection programs established by the Subcontractor for this site are in compliance with 29 CFR 1910.120 and 29 CFR 1926/1910.
 - The Subcontractor maintains a Health and Safety Program in accordance with the applicable sections of 29 CFR 1910.120.

6.0 INSURANCE

The Subcontractor shall, at its own expense, provide and maintain during the entire performance period of this subcontract, at least the kinds and minimum amounts of insurance specified below for the duration of the subcontract.

- Comprehensive General Liability: \$100,000 minimum per person and \$300,000 minimum per accident for bodily injury, and \$25,000 property damage.
- Automobile Insurance: \$100,000 minimum per person and \$300,000 per accident for bodily injury and \$25,000 per accident for property damage.
- Standard Workmen's Compensation and Employer's Liability Insurance or, where maritime employment is involved, Longshoremen's and Harbor Worker's Compensation Insurance, as required or prescribed by law, in the minimum amount of \$100,000, or such greater amount as may be proper under applicable state or federal statutes.

7.0 COST PROPOSAL

The Subcontractor shall submit a fixed priced per unit cost proposal. This proposal shall include all costs that are required for completion of the scope of work outlined. The proposal submitted to WESTON shall be firm for a period of 60

days.

One (1) copy of the cost proposal shall be submitted by telecopy to WESTON (201/225-7037) by 5:00 p.m., October 27, 1989. In addition, a hard copy of such proposal should be submitted by mail. All correspondence should be sent to:

Edward L. Leonard
Roy F. Weston, Inc.
1090 King Georges Post Road
Suite 201
Edison, New Jersey 08837

One contract will be awarded. Notification of selected contractor is planned for one (1) week from the date of submittal. The indicated time schedule is subject to prior approval and authorization by the EPA. The authorization to proceed with the work shall be under contract issued by WESTON.